

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jung Ah LEE et al.
Application No.: NEW APPLICATION
Filed: August 29, 2003
For: METHOD AND ARRANGEMENT FOR DETECTING A RANDOM
ACCESS CHANNEL PREAMBLE USING MULTIPLE ANTENNA
RECEPTION IN A COMMUNICATION SYSTEM

INFORMATION DISCLOSURE STATEMENT
(SUBMISSION CONCURRENT WITH THE
FILING OF A NEW PATENT APPLICATION)

August 29, 2003

MAIL STOP NEW APPLICATION
COMMISSIONER FOR PATENTS
P.O. BOX 1450
Alexandria, Virginia 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES

- ☒ Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- ☐ This application is a National Phase of a PCT application. Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should be forwarded from the International Search Authority. If copies are needed, please contact the undersigned.

- ☐ Because the present application is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are listed on the attached Form 1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on the attached Form 1449 are enclosed herewith.

III. CONCISE EXPLANATION OF THE RELEVANCE
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☐ **OTHER**

For the Examiner's convenience, we attach hereto U.S. Patent No. _____, which is the corresponding U.S. equivalent of _____. Submission of the English language equivalent(s) is deemed to satisfy the requirement for a concise explanation of relevancy.

FEES

This Information Disclosure Statement is being filed concurrently with the filing of a new patent application; therefore, no fee is required.

If The Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 08-0750.

New U.S. Application
Docket No. 29250-000938/US

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY & PIERCE, P.L.C

GDY/MJL/jj

By:  45,274

Gary D. Yacura, Reg. No. 35,416
P.O. Box 8910
Reston, Virginia 20195
(703) 668-8000

Enclosures: ☒ Form PTO-1449(s)
☒ Documents
☐ Fee

<p align="center">FORM HDP-1449 (Based on Form PTO-1449)</p> <p align="center">PATENT AND TRADEMARK OFFICE</p> <p align="center">INFORMATION DISCLOSURE CITATION</p> <p align="center">(Use several sheets if necessary)</p> <p align="center">Sheet 1 of 1</p>	ATTORNEY DOCKET NO.		SERIAL NO.
	29250-000938/US		NEW
	APPLICANT		
	Jung Ah LEE, et al.		
	FILING DATE		GROUP
	August 29, 2003		Unassigned

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
		2002/0136333 A1	9/26/2002	Lee	375/343	1/31/2001

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
		Proposal for RACH Preambles, TSG-R, WG1, TSGR1#6,(99)893, July 1999
		3rd Generation Partnership Process; Technical Specification Group Radio Access Network; "Physical channels and mapping of transport channels onto physical channels(FDD) Release 5," 3GPP TS 25-211,V5.4.0., June 2003
		3rd Generation Partnership Process; Technical Specification Group Radio Access Network; "Beamforming Enhancements", (Release 6); TR25.887, V1.2.0, 3GPP, October 2002.
		3rd Generation Partnership Process; Technical Specification Group Radio Access Network; "MAC Protocol Specification Release 5," 3GPP TS 25-321, V5.1.0, June 2002

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PATENT
29250-000938/US

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Jung Ah LEE et al.

Application No.: NEW

Group: Not Assigned

Filed: August 29, 2003

Examiner: Not Assigned

Title: **METHOD AND ARRANGEMENT FOR DETECTING A RANDOM
ACCESS CHANNEL PREAMBLE USING MULTIPLE ANTENNA
RECEPTION IN A COMMUNICATION SYSTEM**

LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

August 29, 2003

Sir:

Under the provisions of MPEP § 2001.06(b), the Examiner is hereby advised of the following
co-pending U.S. Application(s):

<u>Appl. No.</u>	<u>Filing Date</u>	<u>Group</u>
09/665,511	9/19/2000	2631
09/664,646	9/19/2000	2634

The subject matter contained in the above-listed co-pending U.S. application(s) may be
deemed to relate to the present application, and thus may be material to the prosecution of this
instant application.

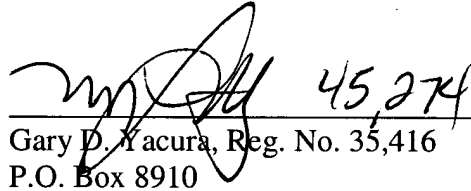
The above-listed co-pending application(s) is(are) not to be construed as prior art. By bringing the above-listed application(s) to the attention of the Examiner, Applicant(s) do(does) NOT waive any confidentiality concerning the above-listed co-pending application(s) or this application. See MPEP § 101. Furthermore, if said application(s) should not mature into patents or otherwise publish, such application(s) should be preserved in secrecy under the provisions of 35 U.S.C. § 122 and 37 C.F.R. § 1.14.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKEY, & PIERCE, P.L.C.

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